3. FLACS-CFD: EXPLOSÃO E DISPERSÃO DE GÁS

Ementa

Dia	Horário	Conteúdo
20/07	8:00h	Apresentações
	8:10h	Introdução: GexCon, Explosões de Gás e FLACS-CFD
	9:00h	Pré-processamento em FLACS-CFD: Geometria, Malha, Porosidades e Definição de Cenários
	9:30h	Intervalo
	9:45h	Processamento e pós-processamento em FLACS-CFD
	10:15h	Demonstração I: Explosões de gás em um módulo de processos
	11:00h	Fim do primeiro dia
21/jul	08:00	Validações en FLACS-CFD
	08:45	Modelagem de Ventilação e Dispersão em FLACS-CFD
	09:30	Intervalo
	09:45	Demonstração II: Modelagem de dispersão em FLACS-CFD
	10:50	Comentários finais
	11:00	Fim do segundo dia

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Franz is a Computational Fluid Dynamics (CFD) Software Principal Mechanical Engineer with over 30 years of experience performing CFD software consulting, training and technical support for the oil and gas, process safety, energy, chemical, mining, power generation and homeland security industries. Since joining Gexcon, he has worked as an instructor and mentor for FLACS, FRED and EFFECTS software products, delivering training courses for companies and universities worldwide. Additionally, he has worked as a consultant managing and executing process safety consequence and risk studies related to gas explosions, ventilation, dispersion, fires, gas detection systems and helideck operability analysis. He has also published papers in journals and conferences. Previously, Franz has worked in management of CFD software support and consulting engineers, CFD software commercial product management and business development. He also worked as a research teaching assistant during his PhD. In his early career he was a Senior Field Geophysical Engineer working in offshore and inland oil and gas exploration operations. Franz holds a PhD in Mechanical Engineering from the University of New South Wales, Australia, a Masters degree in Aeronautical Engineering from Instituto Tecnológico de Aeronáutica, Brazil, and a Bachelor in Mechanical Engineering from Universidad Simón Bolivar, Venezuela. He has worked for several international companies, including Gexcon, BMT, ANSYS/FLUENT and Schlumberger.

Mínimo de inscritos: 5 (caso este número de inscritos não seja alcançado, o minicurso será cancelado e o congressista poderá assistir outro minicurso, sujeito à disponibilidade de vagas)

Informações adicionais: o material do curso é em inglês, mas as aulas são em português.